

ABSTRACT OF THE DISCLOSURE

A method of preparing fiber preforms disperses fibers and binder on a forming support surface such that the materials are conditioned and then applied to the surface where the composite material solidifies. Reinforcing material, such as fiber, is mixed with binder, such as thermoplastic or thermoset materials, so that the materials adhere. Then, the adhesive mixture is dispersed in a controlled pre-determined weight ratio on the support surface where the mixture sticks to the support surface, cools and solidifies. The deposited mixture can also be shaped further into a final desired shape before complete solidification. This method eliminates the need for solvents and their associated problems. The process does not require a vacuum or plenum system to hold the reinforcing material in place. The preform can be made in any shape, including sections or asymmetric configurations.